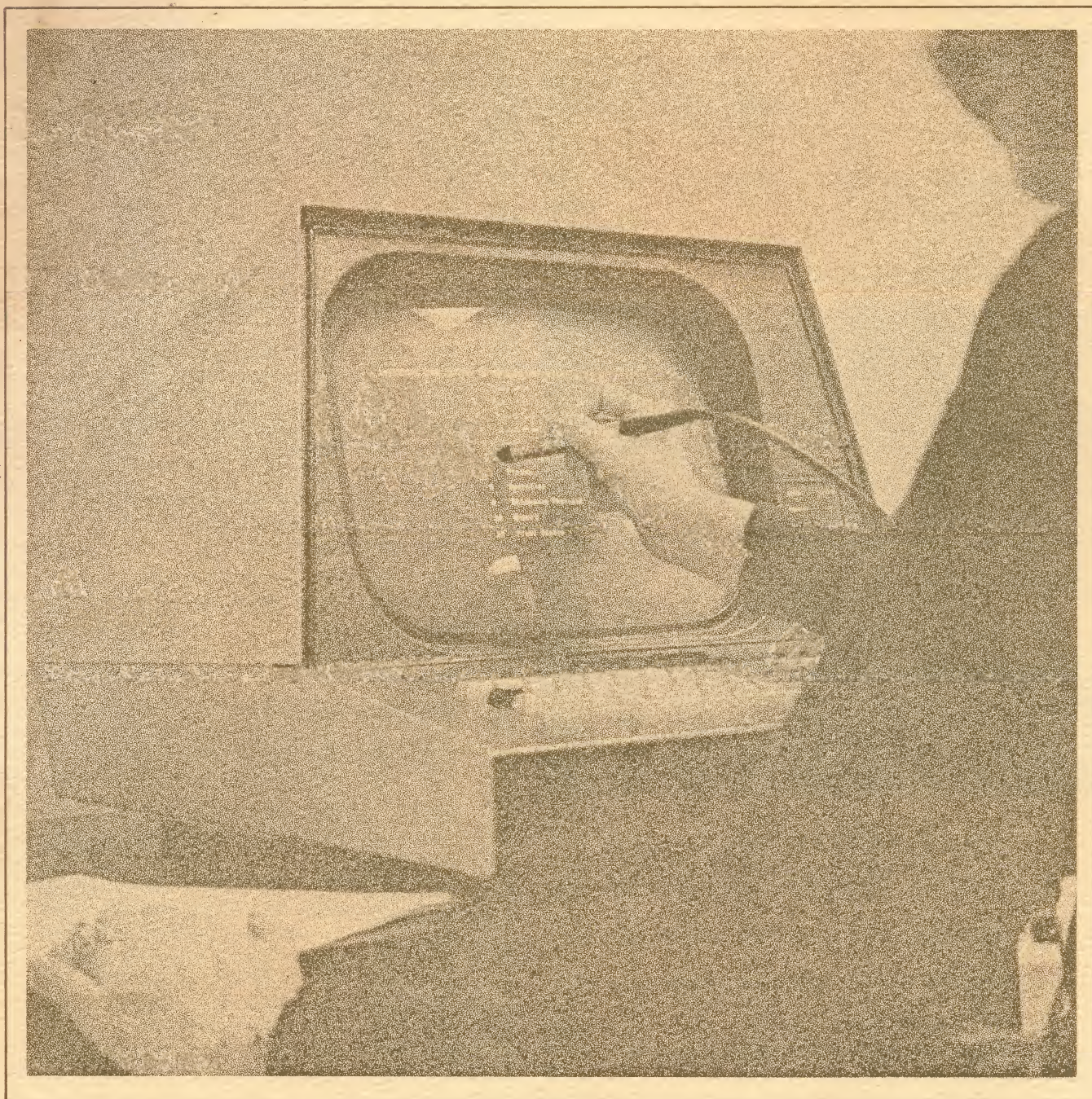


Nov 75

# THIS IS THE NEW DELTA VIDEO DISPLAY TERMINAL AND LIGHT PEN SYSTEM

Selecting information from a display screen  
has never been easier or more convenient







## Just point and press—using the light pen system is that easy

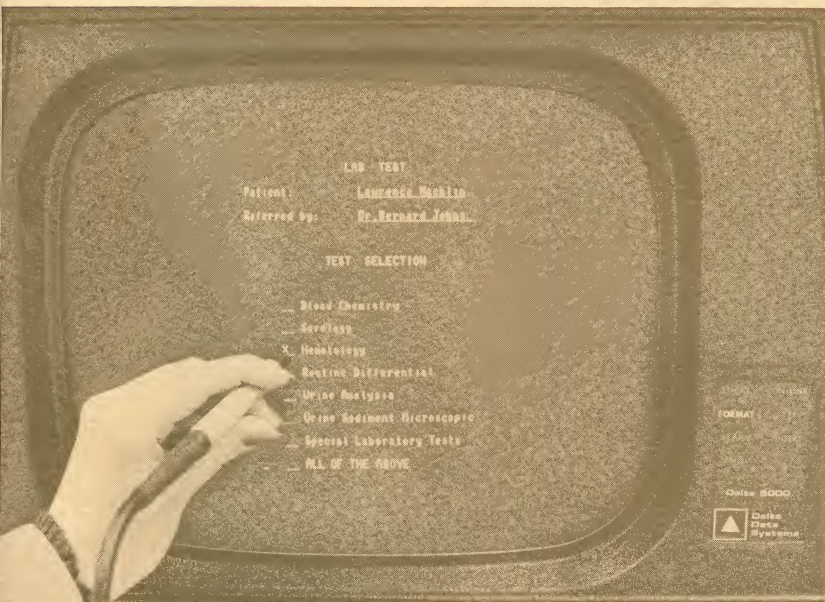
Our new light pen takes the time and tedium out of picking required information on the display screen.

**The light pen is easy to use**—All you need do is point to the character position desired and press the tip of the pen to the screen. The cursor is instantly moved to the character location.

**The light pen is accurate**—Resolution is  $\pm 1$  character; in most instances there is no need to touch the keyboard while the light pen is in use.

**The light pen will save considerable time** when used for applications where the operator must pick data to initiate action from a computer or data communications system.

**The light pen improves operator confidence**—Since direct action elicits immediate response, terminal operators rapidly acquire confidence with the light pen along with an attitude of complete control of an information exchange situation.



## The DELTA Model 5270 Video Display Terminal is designed exclusively for light pen operation

The DELTA Model 5270 is a specially configured Model 5200 video display terminal designed for use in a light pen system. In addition to the unprecedented versatility offered by this terminal, the Model 5270

also provides other unique and useful operating features. These include:

- 7 x 9 dot matrix for the most readable upper/lower case characters in the industry
- Custom keyboards designed for your special needs
- Up to 3072 characters of display memory
- 27 line by 80 character display
- Exclusive PAGING capability that permits recovery of top and bottom line rollofs
- Operation with all DELTA peripherals and the MultiTerm 2 Programmable Controller
- Optional line drawing capability
- Optional high speed data transmission—up to 500,000 characters/second with DMA

These and the many other features in this terminal will help you save time, money and effort, minimize error possibilities and eliminate unnecessary computer time. In fact, never before has a display terminal/light pen system been designed that offers anywhere near the comprehensive features—in its price range—as are available in the Model 5270 system.

### Use the Model 5270 Display Terminal/Light Pen System for many different applications.

If your display terminal application demands precise selection of data on screen in the quickest and most efficient manner, the Model 5270 Display Terminal/Light Pen System is the ideal solution. Typical uses for this system include:

- Computer-aided education programs
- On-line process control and monitoring
- Text editing requirements
- Hospital station information systems
- Stock analysis and quotations
- Inventory control
- Reservations systems
- Engineering design
- And many more applications where speed, simplicity and accuracy are important considerations in an information processing environment

Typical industries which have requirements for this system include:

- Banking
- Education
- Insurance
- Manufacturing of all kinds
- Health care
- Newspaper and magazine publishing
- Retailing
- Electronic data processing
- Transportation



# GENERAL SPECIFICATIONS

## Light Pen

### Functional Description

The prime function of the light pen is to allow operators to quickly select information for use in their applications. The operator is required simply to touch the tip of the light pen to any character being displayed, this action causing the cursor to leave its present position (no matter where it is on the display) and appear at the position indicated. The position of the cursor, for transmission, will then be automatically transmitted to the computer.

### Notes

There is no minimum spacing of characters or lines associated with the operation of the light pen.

Characters may be positioned adjacent to one another without creating a problem in the operation.

Upon receipt of the cursor address codes, the computer may now assume control for the purpose of re-entering data, integrating the memory, or any other operations determined by the computer software.

## MultiTerm 2 Programmable Controller adds IBM 3270 com- munications protocol to the Display Terminal/Light Pen System

By combining a MultiTerm 2 Programmable Controller with the DELTA Display Terminal/Light Pen System, you have a system that provides the same capabilities as those in the IBM 3270 system. The MultiTerm 2 also allows you to program your system for special functions and other important applications. These added capabilities are not available from any other video display terminal on the market.

## Model 5270 Video Display Terminal

|                                                    |                                                                                                                       |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| CHARACTERS PER LINE                                | 80                                                                                                                    |
| LINES PER DISPLAY                                  | 27                                                                                                                    |
| CHARACTERS DISPLAYED                               | 2048 standard. Expandable in 1024 character increment to 3072 characters                                              |
| CHARACTER REPERTOIRE                               | 64 characters standard. 96 character upper/lower case optional. Line drawing set—not with upper/lower case (optional) |
| CHARACTER GENERATION                               | 7 by 9 dot matrix                                                                                                     |
| CHARACTER CODE                                     | USASCII                                                                                                               |
| CRT TYPE                                           | 720 line monitor                                                                                                      |
| CRT SIZE                                           | 14-inch diagonal                                                                                                      |
| REFRESH RATE                                       | 60 times per second                                                                                                   |
| ERASE CAPABILITY                                   | Clear memory, message, line, character                                                                                |
| FORM FEED CAPABILITY                               | Moves the display window to the first character position of the next message in memory                                |
| EDIT CAPABILITY                                    | Insert and delete lines and characters                                                                                |
| FORMAT CAPABILITY                                  | Any character on the screen may be fixed or variable data. Only the variable data is cleared or transmitted           |
| BLINK CAPABILITY                                   | Any character or group of characters on the screen may be made to Blink at a rate of 2 times per second               |
| TRANSMIT CAPABILITY                                | Full or half duplex                                                                                                   |
| INTERFACE                                          | Serial, RS232C/CCITT V24                                                                                              |
| MARGIN SET                                         | Adjusts bell position to any position on the line                                                                     |
| TAB SET                                            | Sets the TAB to any 5 positions on the line                                                                           |
| TAB CLEAR                                          | Clears all TABS                                                                                                       |
| TRANSMIT MODE                                      | Transmit message, transmit memory                                                                                     |
| INPUT/OUTPUT COMMUNICATIONS                        | Compatible with ATT103, 201, 202 data sets, acoustic coupler. Up to 9600 baud, standard, asynchronous                 |
| PARTY LINE (OPTIONAL)                              | Parallel interface                                                                                                    |
| DMA (OPTIONAL)                                     | Party Line with data rates to 500,000 characters per second                                                           |
| PAGING                                             | Terminal can store and access locally more lines than can be seen on screen at one time                               |
| CURSOR TYPE                                        | Blinking underline                                                                                                    |
| KEYBOARD                                           | Teletype keyboard with 49 data keys, 10 key numeric pad, 28 control keys                                              |
| CURSOR CONTROL                                     | Start page, end page, up, down, left, right, tab, home. Absolute position set and transmit                            |
| LIGHT PEN RESOLUTION                               | ±1 character                                                                                                          |
| OPERATING TEMPERATURE                              | 0 to 50 degrees Centigrade                                                                                            |
| INPUT POWER                                        | 110/60 ±10% VAC,<br>220/50 ±10% VAC (optional)                                                                        |
| POWER REQUIREMENTS                                 | 115 VAC, 350 watts                                                                                                    |
| OVERALL DIMENSIONS                                 | 27 inches deep<br>18 inches wide<br>15 inches high                                                                    |
| WEIGHT                                             | 80 pounds                                                                                                             |
| OPTIONAL REMOTE KEYBOARD<br>Dimensions of Keyboard | 18 inches wide<br>4 inches high<br>9 inches deep                                                                      |
| Dimensions of Monitor                              | 18 inches wide<br>15 inches high<br>20 inches deep                                                                    |

Specifications subject to change without notice



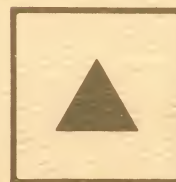
**Remember our name...  
we're growing in leaps and bounds  
to serve you better**

Since its founding in 1968, DELTA DATA SYSTEMS has achieved an international reputation as a leader in its field, despite the furiously competitive nature of the video display terminal business. This period has seen the rise and fall of a number of competitive manufacturers, while our rate of growth has been steadily upward. We're here to stay. We believe our past performance points that out. We're here to serve you now. And we're building to meet your future requirements. All the people at DELTA who help keep our company dynamic are dedicated to a common goal of success; our success, and your success with our products.

**Across the country or around the world...  
we're close to you**

In the United States DELTA customer service is available from over 40 locations across the country. Our worldwide customer service and sales organization is responsive to your needs. Service is handled promptly to minimize system downtime. Sales inquiries are answered straightforwardly and intelligently. If we can help, we'll tell you so. If we can't, perhaps we can refer you to someone who can.

For additional information on the Model 5270 system...or for a demonstration or applications assistance, please write or call today. A DELTA DATA SYSTEMS representative in your area will be pleased to answer any of your questions.



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885 Printed in U.S.A.